



**PATENT**  
Attorney Docket No. UM-04241

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: **Mark A. Burns et al.**

Serial No.: **09/517,680**

Art Unit: **1743**

Filed: **03/02/00**

Examiner: **Ludlow**

Entitled: **Thermal Microvalves**

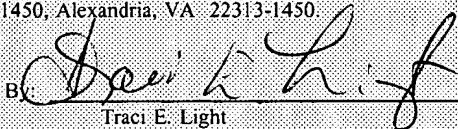
**RESPONSE TO OFFICE ACTION  
MAILED JUNE 17, 2004**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8(a)(1)(i)(A)**

I hereby certify that this correspondence (along with any referred to as being attached or enclosed) is, on the date shown below, being deposited with the U.S. Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: November 17, 2004

By   
Traci E. Light

Madam:

In response to the Office Action mailed on June 17, 2004 please enter the instant correspondence in the prosecution of the patent application captioned above. Filed, herewith, is a "Petition For A Two Month Extension of Time" [as provided by 37 C.F.R. § 1.136(a)].

**The Pending Claims:** begin on page 2 of this paper.

**Remarks:** begin on page 5 of this paper.